

ABSTRACT OF THE DISCLOSURE

Signals with transmission frequencies from hand sets are received by a receiver. The whole frequency spectrum including the received signals whose frequency is converted by the receiver is inverted by a signal processor. Then, the received signals included in the frequency spectrum inverted by the signal processor is converted by a transmitter and retransmitted as signals with reception frequencies of the hand sets. By using this communication apparatus, a communication system with fixed duplex intervals can be employed with a simple configuration at a low cost, transmission/reception frequencies can be readily set and duplex conversation between hand sets can be achieved.

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